

STPM-80

Automatic Soft-tube Filling & Sealing Machine



Safety acrylic hood

Stainless housing

Computer program control



PLC with touch type input keys for computer programmable controls and capable to display various operation parameters and signals of failure and give instructions of trouble shooting.



Special fast speed tube feeding device and special cleaning device can be controlled by a step motor with a photo-cell element for locating the accurate position of tubes; and the filling nozzle device.



Equipped with a contact type heater for fast heating process, therefore, low production cost and easy for maintenance. Besides, the filler sealed will not get damaged, such as any physical or chemical color or quality change.

Suitable tubes:

This machine can seal PE tubes, laminated plastic tubes and laminated aluminum tubes. Max. height of tube: 220mm. Tube diameter : 13~50mm.

This machine can be equipped with a special device for sealing and folding the tubes made of aluminum, model No. STPM-80A

Features:

1. Machine is equipped with a computer program controlled man-machine-interface with a touch display unit and PLC controls, easy for adjustment and operation.
2. Tubes packed in a box can be fed automatically onto the tube holders by a special feeding device. The locating point of tubes of can be precisely controlled by a step motor with a photo-cell element, easy for operation and adjust.
3. The machine is equipped with a housing made of stainless steel to prevent from any contamination due to any peeling of any painting treatment. All machine parts contacting with the filling material are made of stainless steel SUS 316.
4. The filling nozzle is equipped with suction back devices, so that the filler can be avoided to touch the tubes. Tolerance of filling volume in full stroke: $\pm 1-2\%$.
5. Three size of filling cylinders are available:
 - 20mm filling cylinder for filling tubes of 3~40cc volume.
 - 45mm filling cylinder for filling tubes of 20~220cc volume
 - 60mm filling cylinder for filling tubes of 30~330cc volume
6. Filling materials in high viscosity (such as filler with salt, grease, and cream etc.) is also suitable to package by this equipment.
7. Equipped with a cam controller with 12 working stations. Fast speed, easy operation and low rate of failure.
8. Equipped with a safety acrylic hood for preventing from any danger of personnel injury or contamination by any foreign body for hygienic reason.
9. Safety protection function: In case of any occurrence of the following: temperature too low, air pressure too low, the tubes to be filler are too high or too low, the safety door is opened, the motor torque is too high, insufficient filling volume inside a tube or the connected cartooning machine is out of order etc., a signal of the related failure will be sent to the LED display to inform the operator for correction, so that the sealing quality and production quantity can be controlled.
10. The man-machine interface can control the maximum and minimum working temperature, and the speed of the main drive motor and the motor for the mixer, temperature module and the requirements. Operator can adjust the speed of the main drive motor, the step motor and the driving motor for the Mixer. No need to stop the machine, easy for operation.
11. Change of working another tube size is easy without the need of any special tool. This machine is also suitable for sealing tubes in diameter 50mm.
12. Optional devices for your selection:
 - 1) Speed adjustable mixer with stainless fins for filling hopper
 - 2) Double-layer filling hopper with heating device
 - 3) Digital temperature adjuster for heating device adopted on filling hopper
 - 4) Dripping-free filling nozzles for fluent filling materials such as lotions.
 - 5) Manual filling units
 - 6) Refill pump and refill controller (liquid level sensor adopted) for filling hopper
 - 7) Different filling nozzles for smaller or larger filling volumes.
 - 8) Precise ascending & descending device for filling nozzle (driven by Servo motor).

Basic equipment and requirements:

1. Main drive motor: 90W variable speed motor; Motor for Mixer: ¼ HP variable or 90W speed regulating motor.
2. Power Source: 220V x 1P x 50/60Hz.
3. Air Consumption: 5~8 kg/cm², 250L/min., Air Compressor with Dryer.
4. Basic equipment: (A) 12 pcs. Of tube holders; (B) 1 set of steel types 0~9; (C) 1 set of sealing tool, (D) toolbox and operation manual.
5. Working environment: (A) In a clean working room, at ambient temperature approx. 20 °C; (B) Installation of one cooling air pipe to be connected with the inlet of the blower, for the purpose of cooling the temperature of the tubes sealed.

Specification: (We reserve the right to modify the machine specifications without notice to improve its functions, if necessary.)

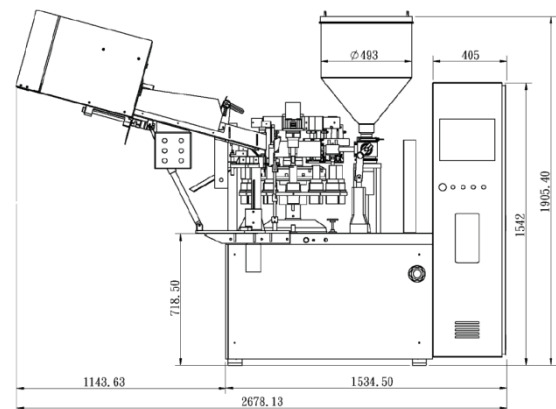
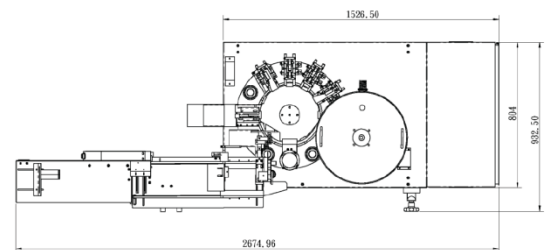
Model	Description	Suitable tube	Capacity	N.W./ G.W.
STPM-80	Automatic tube filling & sealing machine	P, AL, PL	30~60 pcs/min	800/ 950 kg
STPM-80A	Automatic aluminum tube filling & folding machine	Aluminum tube	30~60 pcs/min	800/ 950 kg

P: plastic tube, AL: AL Laminated tube, PL: Plastic laminated tube

Products:

Toothpaste, medical paste, make-up creams, face cream, shampoo, glues, watercolor, jams, chocolate, instant glues, food additives and mustard etc.

Double Layer Heating Hopper:



強榮超音波機械有限公司 STRONG ULTRASONIC MACHINERY CO., LTD.

242台灣新北市新莊區新樹路288-21號

No.288-21, Xinshu Rd., Xinzhuang Dist., New Taipei City 242, Taiwan.

TEL: 02-2203-6999 FAX: 02-2206-5588

Email: strong66@seed.net.tw Website: www.st-rong.com